

Appl. No. 10/709,202  
Amdt. dated May 26, 2005  
Reply to Office action of March 03, 2005

# AMENDMENTS TO THE CLAIMS

1. (currently amended) A cooling module of a computer system comprising:
- 5 a fan module with an air inlet and an air outlet, capable of drawing air into the air inlet and exhausting air from the air outlet;
- 10 a heat sink module with an air inlet, an air outlet, and a heat conduction part; the heat conduction part being between the air inlet and the air outlet, the fan module stacked onto the heat sink module with the air inlet of the heat sink module connecting to the air outlet of the fan module, the heat conduction part ~~connecting to~~ stacked onto a circuit of the computer system; the heat
- 15 sink module ~~capable of drawing~~ allowing air to be drawn into the air inlet and through the heat conduction part and ~~exhausting air~~ exhausted from the air outlet; and
- 20 an air wall between the air inlet of the fan module and the air outlet of the heat sink module for isolating airflow from the air outlet of the heat sink module to the air inlet of the fan module, so that heated air from the air outlet of the heat sink module is prevented from flowing into the air inlet of the fan module.
- 25 2. (original) The cooling module of claim 1 wherein the air wall further comprises an approach; one end of the approach connecting to the air outlet of the fan module while another end connects to the air inlet of the heat

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sink module.

3. (original) The cooling module of claim 1 and claim 2  
wherein the computer system and the cooling module are  
5 disposed within a case.
4. (original) The cooling module of claim 3 further  
comprising:  
a brace in the case; the air wall being fixed to the  
10 brace.
5. (original) The cooling module of claim 4 wherein a  
support device of the computer system is capable of  
being fixed to the brace.  
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6. (original) The cooling module of claim 4 wherein the  
air wall comprises at least one connection end while  
the brace comprises a corresponding connection end;  
the connection end of the air wall capable of plugging  
20 into the connection end of the brace.
7. (original) The cooling module of claim 3 wherein the  
air wall divides the case into a first room and a second  
room, so that the fan module draws air from the first  
25 room, and the heat sink module exhausts air into the  
second room.
8. (original) The cooling module of claim 7 further

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comprising:

a second fan module in the case for exhausting air provided  
by the second room to outside the case.

5 9. (original) The cooling module of claim 1 wherein the  
heat conduction part is connected to a central  
processing unit of the computer system.

10 10. (currently amended) A computer system comprising:  
a case;  
a circuit for controlling operations of the  
computer system; and  
a cooling module in the case comprising:  
a fan module with an air inlet and an air outlet, capable  
15 of drawing air into the air inlet and exhausting air  
from the air outlet;  
a heat sink module with an air inlet, an air outlet, and  
a heat conduction part; the heat conduction part  
being between the air inlet and the air outlet, the  
20 fan module stacked onto the heat sink module with  
the air inlet of the heat sink module connecting to  
the air outlet of the fan module, the heat conduction  
part ~~connecting to~~ stacked onto the circuit; the heat  
sink module ~~capable of drawing~~ allowing air to be  
25 drawn into the air inlet and through the heat  
conduction part and ~~exhausting air~~ exhausted from  
the air outlet; and  
an air wall between the air inlet of the fan module and

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5 the air outlet of the heat sink module for isolating  
airflow from the air outlet of the heat sink module  
to the air inlet of the fan module, so that heated  
air from the air outlet of the heat sink module is  
prevented from flowing into the air inlet of the fan  
module.

10 11. (original) The computer system of claim 10 wherein the  
air wall further comprises an approach; one end of  
the approach connecting to the air outlet of the fan  
module while another end connects to the air inlet  
of the heat sink module.

15 12. (original) The computer system of claim 10 further  
comprising:  
a brace in the case; the air wall being fixed to the  
brace.

20 13. (original) The computer system of claim 12 further  
comprising a support device fixed to the brace for  
supporting operations of the computer system.

25 14. (original) The computer system of claim 12 wherein the  
air wall comprises at least one connection end while  
the brace comprises a corresponding connection end;  
the connection end of the air wall capable of plugging  
into the connection end of the brace.

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15. (original) The computer system of claim 10 wherein the  
air wall divides the case into a first room and a  
second room, so that the fan module draws air from  
the first room, and the heat sink module exhausts air  
5 into the second room.

16. (original) The computer system of claim 15 further  
comprising:  
a second fan module in the case for exhausting air provided  
10 by the second room to outside the case.

17. (original) The computer system of claim 10 wherein the  
circuit is a central processing unit of the computer  
system.  
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